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<div><div>Updated: April 9,2012</div><div><div>ESPCP GENERAL NOTES:</div><div><p>The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to,or concurrent with,land disturbing activities.</p><p>Erosion and sedimentation control measures will be maintained at all times.If full implementation of the approved plan does not provide for effective control,additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.</p><p>PLAN ALTERATIONS</p><p>The Erosion,Sedimentation,and Pollution Control Plan (ESPCP)Is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the stage construction from that shown in the plans or utilize construction techniques that render this plan ineffective,the Contractor shall revise the plans in accordance to Special Provision 161 of the contract.</p><p>The Contractor,the Certified Design Professional,and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities.A major modification or deletion of structural BMP's with a hydraulic component requres a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional.Additional BMP's may be added per Special Provision 161 - Control of Soil Erosion and Sedimentation.</p><p>TEMPORARY MULCHING</p><p>EPD General Permit GAR 100002 states that "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." However,the Department typically requres disturbed areas to be stabilized every 7 days.The construction documents, special provisions,or specifications may require mulching more often than 7 days.</p><p>VEGETATION AND PLANTING SCHEDULE</p><p>All temporary and permanent vegetative practices Including plant species,planting dates,seeding,fertililzing,liming,and mulching for this project can be found in section 700 of the current edition of the Department's Standard Specifications (or special provisions) and other applicable contract documents,or landscaping plans.</p><p>SEQUENCE OF MAJOR ACTIVITIES</p><p>The Contractor Is responsible for developng the construction schedule for the project.The construction schedule for this project shall be submitted after the project is awarded with the NOI. A copy of the construction schedule shall be maintained at the project site.</p><p>The project budget includes sufficient funds for the payment of construction exits.The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail Included In this ESPCP.To facilitate project logistics,the Contractor is also responsible for for selecting the location(s) of the construction exit(s).</p><p>Orange Barrier Fence shall be Installed prior to clearing and grubbing activities and prior to the Installation of any BMPs.</p><p>STAGE 1 This work Includes clearing and grubbing of the project area and the Installation of Initial BMPs.</p><p>INITIAL BMP INSTALLATION</p><p>1. Concurrent with clearing and grubbing activities,Install all permeter controls. PerImeter BMPs Include Type C Silt Fence placed outside of the final construction limits.Two rows of Type C Is required In all areas designated ESA's.</p><p>2. Apply Temporary Grassing and Mulch as necessary to disturbed areas.</p><p>3. Construction Exits shall be Installed prior to clearing and grubbing activities.</p></div></div><div><div>STAGE 2 This work Includes the construction of SR 39 from Sta.105+00 to Sta.130+00.</div><div><div>INTERMEDIATE BMP INSTALLATION</div><p>1. Maintain all PerImeter BMP's.</p><p>2. Maintain Construction Exits as shown on plans.</p><p>3. Mulch and plant Temporary Grass as required by the special provisions.</p><p>4. Install Check Dams as shown on plans.</p><p>5. Install Permanent Drain\drain structures as shown on plans.</p><p>6. Install Storm Drain Outlet Protection as shown on plans.</p><p>7. Install and Maintain Inlet Sediment Traps as shown on plans.</p><p>8. Construct and maintain Temporary Berm on fill slopes and provide positive drainage to Slope Drains as embankments are being constructed.</p><p>9. Install J-Hooks on fill slopes as embankments are being constructed.</p><div><div>FINAL BMP INSTALLATION</div><p>1.As soon as final grade has been established Install Slope Blankets and Permanent Grassing.</p></div></div></div><div><div>PETROLEUM STORAGE,SPILLS AND LEAKS</div><p>The plans expressly delegate the responsibility of on-site hazardous material management to the Contractor.The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture,clean up,and disposal of any petroleum product,or other hazardous material,leaks or spills associated with the servicing,refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park,refuel,or maintain equipment within stream buffers.</p><p>If the Contractor elects to store petroleum products on site,the Contractor shall prepare an ESPCP addendum that addresses the additional BMP's needed for onsite storage and spill prevention for petroleum products.This plan shall be prepared by a Certified Design Professional as required by GAR100002 for Inclusion with these plans.The Contractor's attention Is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.</p></div><div><div>SOIL SERIES INFORMATION</div><p>A project specifc soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration In the hydrologic analysis,the design of channels and linings,selection of temporary BMP's,design of energy dissipaters,and the In the selection of permanent vegetation and fertilizers.</p></div><div><div>POST-CONSTRUCTION BMP'S</div><p>All permanent post-construction BMP's are shown In the construction plans and In the ESPCP plan.The post-construction BMP's for this project consist of Permanent Vegetation,Permanent Slope Drains,Channel/Ditch Stabilization with Turf Reinforcing Mats,Riprap at Pipe Outlets for Velocity Dissipation and Outlet Stabilization,and Vegetated Swales/Ditches where practical.The post-construction BMP's will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants Into receiving waters.</p></div><div><div>SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS</div><p>Silt fence should never be run continuously.The silt fence should turn back Into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence.This technique Is called using J-hooks (or spurs).The J-hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes.The J-hooks shall be spaced In accordance with GDOT Construction Detail D-24C.The maximum J-hook spacing Is reached when the top of the J-hook Is at the same elevation as the bottom of the immediately upgradient J-hook. J-hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are Included In cost of installing and maintaining the silt fence.</p></div></div> <div><div>SITE STABILIZATION AND BMP MAINTENANCE MEASURES</div><p>See the Department's Standard Specifcations (or Special Provisions) 161,163,165,700,710,and other contract documents for stabilization and maintenance measures.</p></div> <div><div>WASTE DISPOSAL</div><p>Where attainable,locate waste collection areas,dumpsters,trash cans and portable toilets at least 50 feet away from streets,gutters,watercourses and storm drains.Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges.The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits.Solid materials,including building materials,shall not be discharged to Waters of the State,unless authorized by a Section 404 Permit.</p></div> <div><div>INSPECTIONS</div><p>All Inspections shall be documented on the appropriate Department Inspection forms. See Standard Specifications (or Special Provision) 167 and other contract documents for Inspection requirements. These Inspections shall continue until the Notice of Termination (NOT) Is submitted.</p><p>Failure to perform Inspections as required by the contract documents and the NPDES permit shall result In the cessation of all construction activities with the exception of Traffic Control and Erosion Control.Continued failure to perform Inspections shall result In non-refundable deductions as specified In the contract documents.</p><p>By written agreement with Georgia EPD,the Department's Construction Project Engineer has been designated to inspect the Installation of the Initial sediment storage requirements and perimeter control BMPs within seven days after Installation.</p></div> <div><div>NON-STORM WATER DISCHARGES</div><p>Non-storm water discharges defined In Part III.A.2 of the NPDES Permit will be identified after construction has commenced.These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act,the NPDES Permit,the Clean Water Act,the Manual for Erosion and Sediment Control In Georgia, Department Standards,and other contract documents.</p></div> <div><div>DE-WATERING ACTIVITIES AND USE OF PUMPS</div><p>Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin,silt filter bag,or shall be treated equivalently with suitable BMP's.The contractor shall ensure the post BMP treated discharge Is sheet flowing.Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges.The contractor shall prepare sampling plans In accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional.No separate payment will be made for water quality sampling of pump discharges.</p></div> <div><div>OTHER CONTROLS</div><p>The Contractor shall follow this ESPCP and ensure and demonstrate compliance with applicable State and/or local waste disposal,sanitary sewer or septic system regulations.</p><p>The Contractor shall control dust from the site In accordance with Section 161 of the current edition of the Department's Standard Specifications.</p></div> <div><div>RETENTION OF RECORDS</div><p>The Department will retain records In accordance with Part IV.F of the General Permit GAR100002.</p></div>													